



The University of Alaska Fairbanks

SENIOR FACULTY POSITION IN TOXICOGENOMICS

University of Alaska Fairbanks

The University of Alaska Fairbanks invites applications for a senior-level tenure-track faculty position in toxicogenomics at the full or associate professor level.

The successful applicant for this position will be expected to provide research leadership for a statewide research program in toxicogenomics, which is initially funded through a BRIN (Biomedical Research Infrastructure Network <http://www.alaska.edu/brin/>) grant from the National Center for Research Resources of the National Institutes of Health. We seek applicants in all areas of molecular toxicology but are particularly interested in individuals who use a proteomics approach and have an interest in toxicology of subsistence species. We offer a competitive start-up package to initiate this new research program. Applicants must have a funded R01 or equivalent research grant.

This position is a joint appointment between the Institute of Arctic Biology (IAB) and the Department of Biology and Wildlife (B&W) (<http://mercury.bio.uaf.edu/>). Tenure resides within the department, which is part of the College of Science, Engineering and Mathematics. Tenure-track faculty are expected to teach and advise graduate and undergraduate students, most faculty teach two formal courses each academic year. IAB emphasizes research on life sciences at high latitudes including ecosystems, wildlife, biology, physiological and biomedical sciences, and cellular and molecular biology. IAB and B&W currently have 30 faculty and 20 resident Research Associates.

To apply, send a UA applicant form, letter of application, curriculum vitae, statements of research plans; and teaching philosophy; and arrange for at least three supporting letters to be submitted to Gerry Plumley c/o UA Human Resources, P.O. Box 757860, Fairbanks, AK 99775-7860. Fax: 907-474-5859; email: fyjobs@uaf.edu. Review of applications will begin 15 September 2002 and continue until the position is filled.

A signed UA applicant form must be submitted before any candidate can be considered. Please reference REQ# FF247900-01 & PCN 247900. The form can be downloaded from (http://www.alaska.edu/hr/forms/hr_employmentforms.xml.) Specific inquiries concerning the position should be emailed to Gerry Plumley at fffgp@uaf.edu.

THE UNIVERSITY OF ALASKA IS AN EEO/AA EMPLOYER AND EDUCATIONAL INSTITUTION. Persons hired by UA must comply with the provisions of the Immigration Act of 1990 and are expected to possess a valid social security number. Your application for employment with the University of Alaska is subject to public disclosure under the Alaska Public Records Act. Women and minorities are encouraged to apply. Applicants needing reasonable accommodation to participate in the application and screening process should contact the Assistant Director at 474-6259.

AAAS Science & Technology Policy Fellowships

2003:04

for Environmental Scientists and Engineers

Co

contribute your expertise
to federal policy-making in
Washington, DC

Wo

work for a year in
Congress or an executive
branch agency

In Environmental scientists and engineers are **invited** to apply for one-year science and technology policy fellowships to learn about and contribute to federal policy-making in Washington, DC. Fellows are placed in the Congress, the National Science Foundation, the National Institutes of Health, the Department of State, the Agency for International Development, the Environmental Protection Agency, the Department of Agriculture, the Food and Drug Administration, the Department of Defense and other federal offices.

Fe The **fellowship** year begins September 1, 2003. Fellows attend a two-week orientation before beginning their assignments and participate in a year-long seminar series on topics relevant to science, technology and public policy.

www.fellowships.aaas.org

Pr These **programs** are designed to provide each Fellow with a unique public policy learning experience and to bring technical backgrounds and external perspectives to decision-making in the federal government. Applicants must be U.S. citizens and must have a PhD or an equivalent doctoral-level degree in any biological, physical or social science, any field of engineering or any relevant interdisciplinary field by the application deadline (January 10, 2003). Individuals with a master's degree in engineering and at least three years of post-degree professional experience also may apply. Approximately 50 fellowships are awarded in nine different programs. Federal employees are not eligible. Stipends begin at \$58,000. Underrepresented minorities and persons with disabilities are encouraged to apply.

For more information:
Phone: 202.326.6700
E-mail: science_policy@aaas.org



Advancing science • Serving society

COLUMBIA UNIVERSITY

Junior Faculty Member in Exposure Assessment

The Department of Environmental Health Sciences at the Mailman School of Public Health, Columbia University, seeks an associate research scientist (ARSc) in the field of air pollution exposure assessment. The ARSc will join a multidisciplinary team of scientists engaged in research addressing exposures to indoor and outdoor air contaminants among underprivileged populations living in New York City and other urban areas, and the relationships between these exposures and adverse health outcomes. S/he will manage exposure assessment field operations for the Columbia Center for Children's Environmental Health, a longitudinal study examining the effects of early-life environmental exposures on childhood development and asthma in northern Manhattan and the South Bronx. Project management duties include organization of field sampling operations, supervision of technical staff, assurance of data quality, coordination of subject recruitment and follow-up, and production of periodic data summaries. In addition, the ARSc will participate actively and creatively in the analysis of data, drafting of manuscripts, and development of new research initiatives.

Candidates for this position must have a doctoral degree in environmental health sciences or a related discipline, with expertise in aerosol measurements and in carrying out field studies of air pollution exposures.

Significant career advancement opportunities exist at Columbia University for motivated individuals who can attract research funding either as principal or co-investigators and who demonstrate teaching ability. It is our hope that the successful candidate will develop over time into a vital member of our faculty.

Please direct inquiries and CVs to:

Patrick L. Kinney, Sc.D.
Department of Environmental Health Sciences
Mailman School of Public Health
Columbia University
60 Haven Avenue, B-1
New York, NY 10032
(212) 305-3663
(212) 305-4012 (fax)
plk3@columbia.edu

Columbia University is an affirmative action/equal opportunity employer.

Call for Applications

THE ROBERT WOOD JOHNSON HEALTH & SOCIETY SCHOLARS PROGRAM

Announcing a *Call for Applications* to the Health & Society Scholars Program, a new two-year fellowship established by The Robert Wood Johnson Foundation® to build the nation's capacity for research, leadership and action to address the broad range of factors affecting health.

The goal of the program is to improve health by training scholars to:

- investigate the connections among biological, behavioral, environmental, economic and social determinants of health; and
- develop, evaluate and disseminate knowledge and interventions.

Outstanding individuals who have completed doctoral training in disciplines ranging from the behavioral, social, biological and natural sciences to health professions are eligible. Past training in health-related areas is not a requirement.

Up to 18 scholars will be selected in the coming year as the first cohort to participate in the program at one of six nationally prominent institutions: Columbia University; Harvard University; University of California, San Francisco and Berkeley; University of Michigan; University of Pennsylvania; and University of Wisconsin. Scholars will receive a stipend of \$68,000 for year one and \$71,000 for year two. Applicants must be U.S. citizens or permanent residents at the time of application.

Application deadline: October 25, 2002.

For information and application materials, contact:

The Robert Wood Johnson Foundation
Attn: Health & Society Scholars Program
Route 1 & College Road East
P.O. Box 2316
Princeton, NJ 08543-2316

phone: 1-800-734-7635

e-mail: hss@rwjf.org

THE
ROBERT WOOD
JOHNSON
FOUNDATION®

FACULTY POSITION

Health Policy and Politics School of Public Health University of California, Berkeley

The School of Public Health at the University of California, Berkeley plans to appoint an assistant professor (tenure track) in Health Policy and Politics for Fall 2003. We particularly encourage candidates with research interests in environmental health policy to apply. Duties include developing an original research program, teaching graduate level courses in health policy and politics, and mentoring doctoral students. Candidates should have a Ph.D. in political science, public policy, or related field. We must receive applications and related materials by December 13, 2002. Send a letter of interest, curriculum vitae, and the names, addresses, and telephone numbers of three references to:

Ralph Catalano, Ph.D.
Professor of Public Health
School of Public Health
University of California, Berkeley
Berkeley, CA 94720-7360

The University of California is an Equal Opportunity, Affirmative Action Employer

NIEHS Inositol Signaling Group

Cell Signaling by Inositol Phosphates (HNV02-25)

Through interactions with chloride channels, inositol 3,4,5,6-tetrakisphosphate regulates release of insulin and neurotransmitters, and also controls salt and fluid secretion. Inositol phosphates with seven and eight phosphate groups regulate vesicle traffic and mediate responses to environmental stress. We have a vacancy for an enthusiastic and dedicated post-doc with an interest in pursuing the molecular and cellular mechanisms underlying signaling by these inositol phosphates. It would be advantageous if applicants had knowledge and experience in one or more of the following areas: transfection of mammalian cells, RNAi, bacterial and/or insect protein expression systems, protein purification methods, confocal imaging. Position is available Sep/Oct 2002, but a later start date is negotiable. Additional information and recent publications can be viewed at <http://dir.niehs.nih.gov/dirlst/groups/shears.htm>.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Stephen Shears, Inositol Signaling Group, F2-06, 919-541-0793, fax: 919-541-0559, e-mail: shears@niehs.nih.gov

Environmental Sciences Assistant/Associate Professor

The University of Texas School of Public Health at Houston

The University of Texas School of Public Health at Houston invites applications for two tenure-track positions at the Assistant or Associate Professor level in the Environmental Sciences Discipline. Applicants should have research interests in environmental toxicology or molecular-environmental microbiology and employ mechanistic approaches to the understanding of toxicant or microbial action. Candidates who have expertise in xenobiotic metabolism or in molecular aspects of microbial contaminants are encouraged to apply.

The successful candidate will be expected to establish an independent, extramurally-funded research program and contribute to the educational mission of the School through teaching and advising graduate students, as well as perform community service. Excellent collaborative opportunities exist at the Southwest Center for Occupational and Environmental Health, the Center for Infectious Diseases, and the Human Genetics Center, as well as other institutions within the Texas Medical Center, the world's largest medical complex.

Qualifications include: (1) earned doctorate in toxicology, microbiology, or in a related field that has potential for application to the basic environmental sciences; (2) commitment to excellence in teaching and advising graduate students; (3) established track record in interdisciplinary collaboration and extramurally-funded research; and (4) excellent written and oral communication skills. Academic rank will be determined by the qualifications of the candidates.

Review of applicants will begin immediately and continue until the positions are filled. Applicants should submit a letter of interest describing their qualifications and research plans, C.V., and contact information for three professional references as file attachments to **Thomas.H.Stock@uth.tmc.edu**, or by mail to: **Thomas H. Stock, Ph.D., M.P.H., Chair, Environmental Sciences Faculty Search Committee, The University of Texas Health Science Center at Houston, School of Public Health, 1200 Herman Pressler Drive, W-622, Houston, TX 77030.**



THE UNIVERSITY of TEXAS
HEALTH SCIENCE CENTER AT HOUSTON

The University of Texas is an Equal Opportunity/Affirmative Action Employer. Minorities and women are strongly encouraged to apply. This is a security-sensitive position and thereby subject to Texas Education code § 51.215.

SCIENCE, LAW & THE FUTURE

The Joint Degree Program in Law, Health & the Life Sciences at the University of Minnesota is training experts in the legal, ethical, and policy problems posed by the life sciences, health care, and the environment in the 21st century. Students in this unique program are becoming leaders in areas such as health policy, intellectual property, drug regulation, environmental law, and the societal challenges of genomics.

Students in the Joint Degree Program earn a J.D. with an M.S., M.P.H., or Ph.D. (and soon an M.D.) in one of 11 programs:

Community Health Education
Conservation Biology
Ecology, Evolution & Behavior
Environmental Health
Epidemiology
Health Services Research, Policy & Administration
Maternal & Child Health
Molecular, Cellular, Developmental Biology & Genetics
Pharmacology
Public Health Administration
Science, Technology & Environmental Policy

Minors in Bioethics and Bioinformatics are available.
Fall 2003 applications should be sent in November-December 2002.



**Joint Degree Program
in Law, Health & the Life Sciences™**

UNIVERSITY OF MINNESOTA

612-625-0055
jointdegree.umn.edu

Colorado State University

Department Head

Department of Environmental and Radiological Health Sciences College of Veterinary Medicine and Biomedical Sciences

The Department of Environmental and Radiological Health Sciences (www.cvmbs.colostate.edu) offers an exciting opportunity for a dynamic and innovative individual to assume the leadership of a newly organized community of scholars. The Department is administratively organized into sections that affiliate scholarly efforts in the disciplines of Epidemiology, Toxicology, Exposure and Risk Assessment, Environmental Hygiene and Radiation Safety, Cancer Biology and Radiation Oncology, and Veterinary Diagnostic Imaging. All of these sections have their own internationally recognized research activities and academic programs in the promotion of human and animal health and well-being. Some of the Department's strengths are in its two University Programs of Research and Scholarly Excellence: Radiological Health Sciences and Cancer Research, and the Center for Environmental Toxicology and Technology. The Department is also home to the NIOSH High Plains Intermountain Center for Agricultural Health and Safety, and the Animal Population Health Institute. Key roles of the new Department Head will be academic and scientific leadership, management, and mentorship of faculty as this new department builds on existing strengths and identifies new areas of opportunity for growth.

Applicants must have a Ph.D., D.V.M., M.D., or equivalent degree; demonstrated excellence in scholarly activity and research; experience in teaching and mentoring students; and must meet the University requirements for appointment as a full professor. Administrative experience is highly desirable. Women and minority candidates are especially encouraged to apply. A letter of application, curriculum vitae, and list of three references who may be contacted when appropriate, should be sent electronically or by post to the chair of the search committee:

Dr. Martin J. Fettman
Office of the Dean
College of Veterinary Medicine and Biomedical Sciences
Colorado State University
Fort Collins, CO 80523-1601
Martin.Fettman@ColoState.EDU

Colorado State University is an EEO/AA employer.

Review of applications will begin **01 June 2002**, and continue until a suitable candidate is found.



FACULTY POSITION IN TOXICOLOGY

The Department of Environmental Health, University of Washington in Seattle (<http://depts.washington.edu/envhlth/>) seeks applicants for tenurable junior faculty appointment(s) (Assistant or early Associate Professor rank) for the Sheldon D. Murphy Chair in Toxicology and Environmental Health. Requirements include a doctoral degree (MD, PhD, DVM) with at least two years of postdoctoral training in toxicology, pharmacology, or a closely related field. The successful applicant(s) will be expected to establish a strong, externally funded research program. Applicants with expertise in molecular toxicology (e.g., toxicogenomics, proteomics, metabolomics) are especially encouraged, although candidates with other specialty areas in toxicology will also be considered. Strong preference will be given to candidates with interests in environmental and/or occupational health problems and studies in human populations. Teaching two or more courses in basic or advanced toxicology annually, collaborative interactions with other programs within the Department, and participation in one or more NIEHS-funded Centers at the UW will be expected. Applications should be submitted by January 1, 2003, or until the position is filled. Interested candidates should send two copies each of a curriculum vitae, statement of research, and teaching interests and career goals, plus names of four references to:

Dr. Terrance J. Kavanagh
Chair, Toxicology Faculty Search Committee
Department of Environmental Health
University of Washington
4225 Roosevelt Way NE, Suite 100
Seattle, WA 98105-6099

The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. EOE

Senior Research Associate

Supervise and manage high-throughput academic research on the role of environmental xenobiotics on the induction of mitogen-activated protein kinases and other signal transduction effectors and their effects on regulation of phase I and phase II drug metabolism genes and of other genes regulated by the aryl hydrocarbon receptor. Also actively participate and supervise experiments designed to study the effects of combined exposures to heavy metals or metalloids and polycyclic aromatic hydrocarbons on the regulations of these genes. Conduct research on analysis of genetic polymorphism in the human aryl hydrocarbon receptor and the physiologic consequences of the polymorphism. Requirements: Ph.D. in Environmental Health, Molecular Biology or related discipline. Must have experience in all the research fields mentioned above and in addition must be familiar with radioreceptor assays. Teaching experience in these areas is desirable. Send résumés to: Amy Nawaz, Administrative Coordinator, Division of Toxicology, University of Cincinnati College of Medicine, P.O. Box 670056, Cincinnati, OH 45267-0056.

U.S. Environmental Protection Agency (EPA) Office of Research and Development (ORD)

EPA

is seeking three highly qualified scientific leaders who are currently engaged in bench-level work and research and development in the physical, biological, medical, or engineering sciences. Further rounds of hires are possible. The incumbent should be a nationally recognized authority and leader in an area of widespread scientific interest and investigation. He/she will typically have received honors and awards from major national organizations for his/her accomplishments. His/her reputation as a scientific leader is such that he/she serves as a recruiting attraction for recent graduates who seek opportunities to work under his/her inspiration and guidance in one of the fields of study listed below. To meet the requirements of these positions, applicants must have a PhD or equivalent experience.

These are Scientific/Technical (ST) Professional positions located in the Office of Research and Development (ORD). The ST shall be based in one of ORD's many laboratories or centers, dependent on field of study.

The minimum rate of basic pay for an ST position shall equal 120 percent of the GS-15 step 1 rate of basic pay.

The incumbent will be responsible for one of the following fields of study:

1. Surface Water Hydrology
2. Systems Ecology
3. Human Exposure
4. GIS/Spatial Analysis
5. Atmospheric Sciences
6. Environmental-Epidemiology
7. Risk Assessment Modeling
8. Genomics/Proteomics
9. Bioinformatics

Interested applicants may submit a short resume, a vision statement, and 2–3 representative publications to Jayne Ramsey at U.S. EPA/ORD (8101R), 1200 Pennsylvania Avenue, NW, Washington, DC 20460.

For more information, please go to http://www.epa.gov/ORD/html/jobs_ord.htm, or contact Jayne Ramsey at (202) 564-6736 or ramsey.jayne@epa.gov.

U.S. citizenship required

Applications must be postmarked by January 10, 2003

EPA is an Equal Opportunity Employer

NIEHS Laboratory of Molecular Genetics**Somatic Mutagenesis of Immunoglobulin Genes (HNV02-24)**

A postdoctoral position is available in the Somatic Immunoglobulin Hypermutation Group, Laboratory of Molecular Genetics, to work on somatic mutagenesis of immunoglobulin genes. Candidates should have experience in both tissue culture and molecular genetics, including the construction of targeting vectors to make knockout and/or transgenic mice, southern and northern hybridization, PCR, DNA sequencing, and standard cloning procedures. Candidates should also have a strong background in immunology and/or DNA repair. The focus of the work will be on the poorly understood immunoglobulin hypermutation mechanism, which may include molecules such as DNA polymerases and helicases, proteins involved in DNA repair, and transcription regulators. For more information, see the references listed below. Laboratory will also explore the links between immunoglobulin hypermutation and generalized mechanisms of DNA repair and/or replication that can result in mutagenesis.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Marilyn Diaz, Laboratory of Molecular Genetics, MD 3-01, 919-541-3241, fax: 919-316-4620, e-mail: diaz@niehs.nih.gov

NIEHS Epidemiology Branch**Risk Factors and Symptomatology of Uterine Leiomyomas (HNV02-22)**

A postdoctoral fellowship is available to study the risk factors and symptomatology of uterine leiomyomas. Will participate in the design and conduct of field studies and the analysis of data from a variety of ongoing and completed studies. Protected time will be provided in order for the fellow to develop a track record of publication in peer-reviewed journals.

Applicants must have a Ph.D. in epidemiology and/or M.D. plus experience or training in epidemiology (M.P.H. or equivalent) and must not possess more than five years of postdoctoral experience. Applications will be considered from doctoral students who are close to completing their degree requirements. To apply, submit a cover letter, curriculum vitae, bibliography, brief statement of research interests, copies of one or two recent publications or abstracts, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Paula Juras, Epidemiology Branch, MD A3-05, 919-541-3478, fax: 919-541-2511, e-mail: juras@niehs.nih.gov

NIEHS Laboratory of Molecular Carcinogenesis**Molecular Toxicology and Carcinogenesis (HNV00-23)**

A postdoctoral position is available in the Molecular Toxicology Group to investigate molecular alterations and gene expression changes during liver and lung chemical carcinogenesis in mouse models. Particular emphasis is on oxidative stress mechanisms involved following treatment with nongenotoxic carcinogens. Current projects include cDNA microarray analysis of livers after carcinogenic doses of nongenotoxic carcinogens, related studies on markers of oxidative stress, and studies on the role of beta-catenin and Wnt signaling in mouse liver carcinogenesis. The overall work environment is highly interactive, and there are excellent analytical and other support services. Extensive experience in molecular biology and biochemistry is required. Applicants must have a Ph.D.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Theodora R. Devereux, Laboratory of Molecular Carcinogenesis, MD D4-04, 919-541-3241, fax: 919-316-4620, e-mail: devereux@niehs.nih.gov

NIEHS Epidemiology Branch**Molecular Epidemiology (HNV02-20)**

A postdoctoral fellowship is available in molecular epidemiology to combine interdisciplinary training in epidemiology, bench studies of functional measures of DNA repair and the application of emerging technologies in proteomics to epidemiological cancer studies. Protected time will be provided in order for the fellow to develop a track record of publication in peer-reviewed journals.

Applicants must have a Ph.D. in epidemiology and/or M.D. plus experience or training in epidemiology (M.P.H. or equivalent) and must not possess more than five years of postdoctoral experience. Applications will be considered from doctoral students who are close to completing their degree requirements. To apply, submit a cover letter, curriculum vitae, bibliography, brief statement of research interests, copies of one or two recent publications or abstracts, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Paula Juras, Epidemiology Branch, MD A3-05, 919-541-3478, fax: 919-541-2511, e-mail: juras@niehs.nih.gov

NIEHS Epidemiology Branch**Reproductive and Perinatal Epidemiology (HNV02-21)**

A postdoctoral fellowship is available to study reproductive and perinatal epidemiology and analyze fertility and early pregnancy studies. Will participate in the design and conduct of field studies and the analysis of data from a variety of ongoing and completed studies. Protected time will be provided in order for the fellow to develop a track record of publication in peer-reviewed journals.

Applicants must have a Ph.D. in epidemiology and/or M.D. plus experience or training in epidemiology (M.P.H. or equivalent) and must not possess more than five years of postdoctoral experience. Applications will be considered from doctoral students who are close to completing their degree requirements. To apply, submit a cover letter, curriculum vitae, bibliography, brief statement of research interests, copies of one or two recent publications or abstracts, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Paula Juras, Epidemiology Branch, MD A3-05, 919-541-3478, fax: 919-541-2511, e-mail: juras@niehs.nih.gov

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